

using DC current supplied from the AC adapter, the current given to the load varying based on the state of the load, the charging apparatus comprising:

a charger, connected to the battery, which supplies charging current to the battery by using the current from a connector that is connected to the AC adapter to receive the DC current from the AC adapter; and

a charger control circuit which controls the charger to control the charging current the charger supplies to the battery so that a sum of the current applied to the load and the current charged to the battery becomes a value assigned in advance.

REMARKS

In the Office Action, the Examiner indicated that claims 1-34, 89-112, 118-129 and 133-199 were pending in the application. In accordance with the foregoing, claims 148, 184 and 190 been amended and claims 11-34, 89-100 and 133-147 have been canceled without prejudice or disclaimer. Thus, claims 1-10, 101-112, 118-129 and 148-199 are now pending and under consideration.

Drawings:

At page 2 of the Office Action, the Examiner noted that drawing informalities noted in paper no. 3, mailed September 19, 2000 required correction. A submission of corrected drawings accompanies this Amendment.

Claim Objections:

At pages 2-4 of the Office Action, the Examiner objected to claims 148-183 and 185-199 as being essentially duplicates of certain claims in a group consisting of claims 11-34, 89-100 and 133-147. The Examiner also objected to claims 184 and 190 because of informalities. Claims 11-34, 89-100 and 133-147 have been canceled and claims 184 and 190 have been amended to correct the informalities. Claims 148-199 are now deemed be allowable.

Regarding claim 184, Applicants did not clearly understand the intent of paragraph 2t at page 3 of the Office Action, however, claim 184 has been amended as set forth above to correct informalities noted by the Applicants. The above changes are believed to appropriately clarify claim 184.

Claim 190 has been amended to change "Ac" to --AC-- one place.

Other Claim Amendments:

Claim 148 has been amended to improve form.

Summary:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: 6/30/03

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